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NPIC/R-75/64

February 1964

PHOTOGRAPHIC INTERPRETATION BRIEF

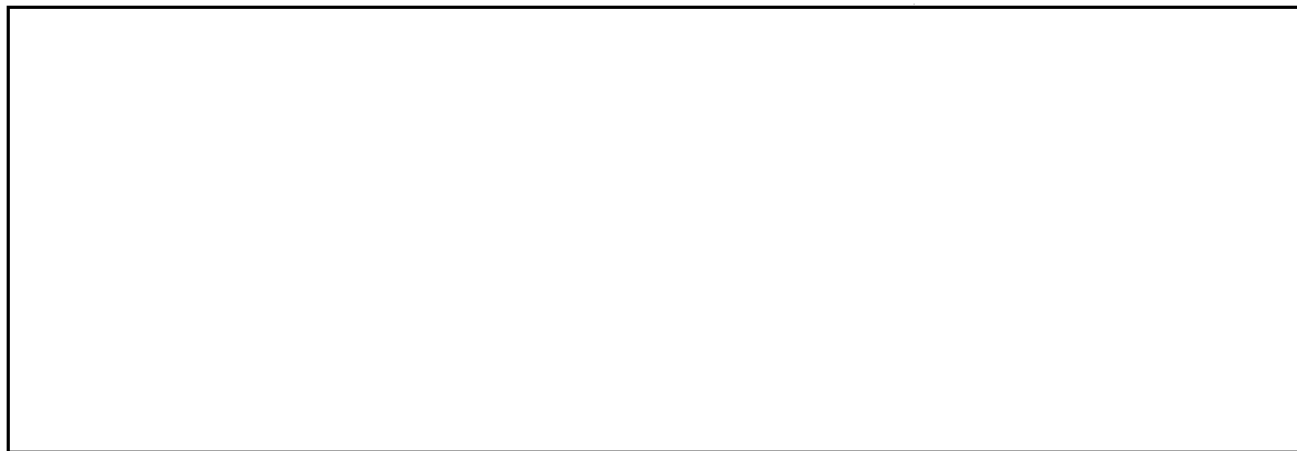
SYNTHETIC FUELS PLANT KRASNOYE, ANGARSK, USSR



CIA

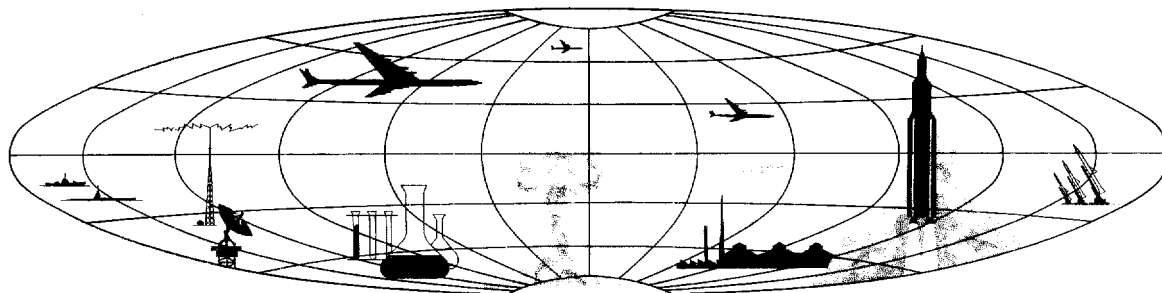


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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER		PHOTO INTERPRETATION BRIEF	
Title: Synthetic Fuels Plant Krasnoye, Angarsk, USSR	Geo Coords: 52-33N 103-56E	Publication No: NPIC/R-75/64	Date: February 1964
	NPIC Target No: 0200-1-A		

25X1A

References: USATC Series 200, Sheet 0200-22IIL, 2d ed, May 62 (S)
NPIC Project N-61/64 (PC-52-64)

Synthetic Fuels Plant Krasnoye (Combine 16).
Excellent-quality photography provided the first good stereo coverage of this area and made possible the identification of most of the units of Combine 16, although haze and smoke precluded the identification of some of the small buildings.

A five-stack thermal electric power plant (TETS-1), with an estimated capacity of 290 megawatts, and its switching yard are located at the north end of Combine 16 (item 9, Figure 2). No other switching yards, substations, or rectifier buildings have been observed at the plant.

ADDITIONAL REFERENCE

1. CIA/HTA. JR-6-58, May 58 (TS)

Among the facilities identified at Combine 16 on the photography is a water-gas installation (item 32, Figure 2). The method employed here appears to be the Fischer-Tropsch process in which coal is synthesized into heavy oil by means of open retorts and contact ovens. An adjacent refinery distills the oil into petroleum products.

One of the by-product facilities of the water-gas installation is an ammonia synthesis plant (Figure 1 and item 28, Figure 2). Some of the gases from the blow run are carried by overhead pipes from the retorts to the ammonia plant where they are synthesized. It is believed that nitric acid is one of the end products of this process.



FIGURE 1. AMMONIA SYNTHESIS PLANT, SYNTHETIC FUELS PLANT KRASNOYE, ANGARSK, USSR

Item	Description	Item	Description	Item	Description	Item	Description
1	Rail spurs (5)	9	Thermal electric power plant	17	Gas holders	25	Cooling tower
2	Railroad station	10	Oil synthesis facility (3 bldgs)	18	Road and streetcar tracks	26	Service bldgs (2)
3	Coal conveyers with hoppers (2)	11	Gas holders	19	Gas stabilization unit	27	Maintenance bldg
4	Coal storage area	12	Sulfur removal units	20	Poss pipe furnace	28	Ammonia plant
5	Open storage area	13	Cooling towers (3)	21	Tank farm	29	Oil reservoirs
6	Contact-oven bldgs (hydrogen)	14	Guard wall	22	Infirmary	30	Gas holders (3)
7	Contact-oven bldgs (water gas)	15	Cooling towers (2)	23	Main entrance	31	Nitric acid preparation
8	Cooling towers (4)	16	Overhead pipeline to oil refinery	24	Laboratories	32	Water-gas retorts

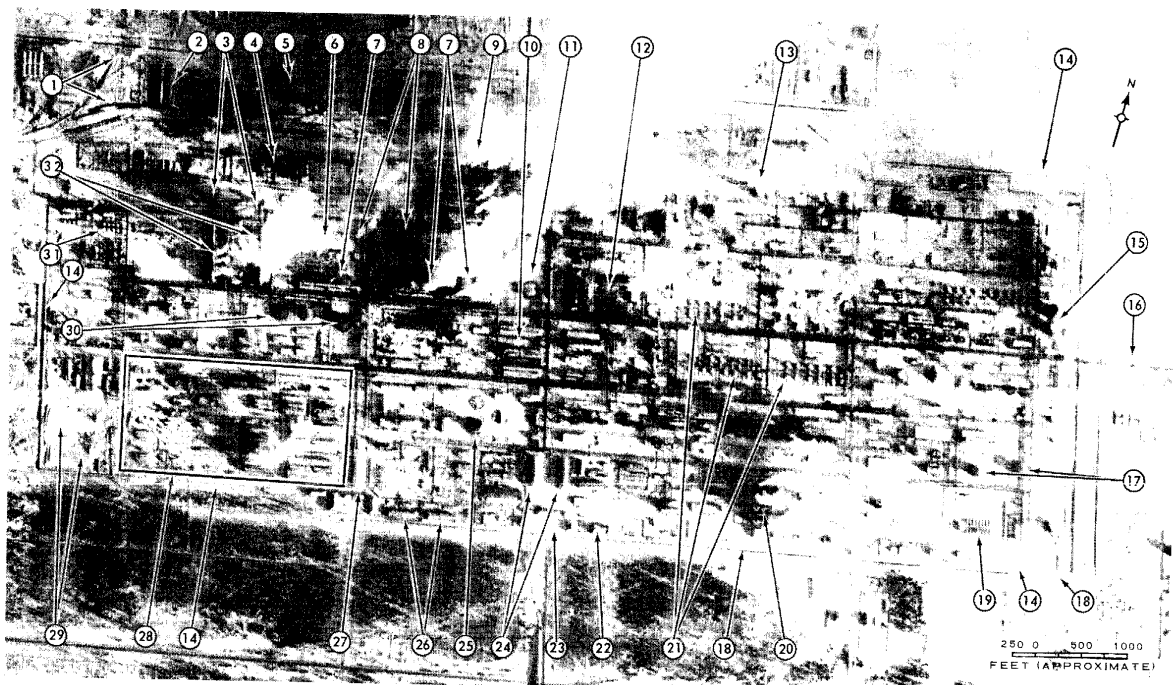


FIGURE 2. SYNTHETIC FUELS PLANT KRASNOYE, ANGARSK, USSR

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